

Department of Conservation & Natural Resources

Brian Sandoval, Governor



Hawthorne Army Depot

June 26, 2015

LTC Gregory Gibbons **US Army Commanding** US Army Hawthorne Army Depot 1 South Main Avenue Hawthorne, NV 89415-9404

Jason Boynton ACO - Environmental Safety & Health Specialist Defense Logistics Agency Strategic Materials 8725 John J. Kingman Road Suite 3229 Fort Belvoir, VA 22060-6223

Re: Permit to Operate final corrections for US Army Hawthorne Army Depot Mobile Mercury Transfer System

Dear LTC Gibbons and Mr. Boynton:

On May 18, 2015 U.S. Army Hawthorne Army Depot and Defense Logistics Agency Strategic Materials was conditionally authorized to proceed with the operation of the Mobile Mercury Transfer System, located in Mineral County Nevada on the US Army Hawthorne Army Depot near Mercury Storage Warehouse 110-66.

The Nevada Division of Environmental Protection has received the required final corrections to the programs for the Emergency Response and Action Plans. Therefore all conditions have been met.

The final permitting fee payment has been received. Please note that CAPP staff will conduct annual program compliance inspections. Typically, advanced notice is provided for these inspections.

Thank you for your cooperation during this permitting process. If you have any questions or require further information on the continuing program requirements, please contact me at 775-687-9391; email mdeburle@ndep.nv.gov.

Sincerely,

Matthew A. DeBurle, P.E., Supervisor Chemical Accident Prevention Program Bureau of Air Pollution Control

MAD/kjt

Certified Mail # 9171 9690 0935 0012 2378 73

CHEMICAL ACCIDENT PREVENTION PROGRAM MEMORANDUM



TO:

Hawthorne Mobile Mercury Transfer System (FIN# A0022)

FROM:

Kelly Thomas, Staff Engineer (4)

DATE:

June 26, 2015

ROUTE:

Matthew A. DeBurle, P.E., CAPP Supervisor

Casey Mentzer, Staff Engineer Keri Noack, Staff Engineer

SUBJECT: Permit to Operate Correspondence No. 7

The following comments require further action on the part of the applicant. Please contact Kelly Thomas at 775-687-9329 or via email at kelly.thomas@ndep.nv.gov any questions.

(a) The Division has issued a permit to construct the new process.

This section is satisfied.

(b) The owner or operator has received all appropriate permits from the local building official for the drawings and calculations for the construction of concrete foundations and structural steel.

This section is satisfied.

(c) The Division determines that the requirements set forth in NAC 459.95341, 459.953475 and 459.95412 to 459.95442, inclusive, have been satisfied.

NAC 459.95341, Management System / Implementation Plan:

QP.EMS.HG0001, Management System and Implementation Plan Chemical Accident Prevention Program (CAPP) for the Mercury Storage and Transfer Program at the Hawthorne Army Depot (HWAD); Rev. 10; Date: 9/2014; 20 Pages. This section is satisfied.

NAC 459.95412, Process Safety Information:

Part A - Procedure / Policy Review: Hawthorne Army Depot Submittals. This section is satisfied.

Part B - On-Site Inspection - Records Audit: This section is satisfied.

NAC 459.95414, Process Hazard Analysis: Please see the Process Hazard Analysis Audit Checklist dated 5/12/2015

Part A - Procedure / Policy Review: This section is satisfied.

Part B - On-Site Inspection - Records Audit: This section is satisfied.



NAC 459.95416, Operating Procedures (including NAC 459.95433, Hot Work Permit): Please see the Standard Operating Procedures Element Audit Checklist dated 4/13/2015

Part A - Procedure / Policy Review: This section is satisfied.

Part B - On-Site Inspection - Records Audit: This section not applicable to PTO. Part B to be reviewed during annual site inspections.

NAC 459.95418, Training Procedures: Please see the Training Program Element Audit Checklist dated 5/12/2015

Part A - Procedure / Policy Review: This section is satisfied.

Part B - On-Site Inspection - Records Audit: This section is satisfied.

NAC 459.95421, Mechanical Integrity: This section is satisfied.

NAC 459.95423, Management of Change: Please see the Management of Change Element Audit Checklist dated 3/27/2015

Part A - Procedure / Policy Review: This section is satisfied.

Part B - On-Site Inspection - Records Audit: This section is satisfied.

NAC 459.95425, Pre-Startup Safety Review: Please see the Pre-Startup Safety Review Element Audit Checklist dated 5/12/15.

Part A - Procedure / Policy Review: This section is satisfied.

Part B - On-Site Inspection - Records Audit: This section is satisfied.

NAC 459.95427, Verification of Compliance Audit: This section is satisfied.

NAC 459.95429, Incident Investigation: This section is satisfied.

NAC 459.95431, Employee Participation: This section is satisfied.

NAC 459.95435, Contractor Program:

Part A – Procedure / Policy Review: *Please see the Contractor Program Element Audit Checklist dated* 4/02/2015: This section is satisfied.

Part B - On-Site Inspection - Records Audit: This section not applicable to PTO. Part B to be reviewed during annual site inspections.

NAC 459.9544 and 459.95442, Emergency Response Programs: Please see the Emergency Action Plan Checklist dated 6/26/2015.

Part A - Procedure / Policy Review: This section is satisfied for the issuance of the Permit to Operate.

Part B - On-Site Inspection - Records Audit: This section is satisfied.

HWAD-Hg Repacking Process - Permit to Operate Correspondence 07 June 26, 2015 Page 3 of 3



(d) The owner or operator is not delinquent on the payment of fees assessed pursuant to NAC 459.953475.

The owner or operator is not delinquent on the payment of fees assessed. A final invoice will be sent to the owner or operator within 2 weeks of the issuance of the permit to operate.

Attachments:

Element Audit Checklist - Emergency Action Plan

2015-06-26 Permit to Operate Correspondence 07

XIIIA. Emergency Action Plan Program

Nevada Division of Environmental Protection Chemical Accident Prevention Program





Facility: Hawthorne Army Depot	Process(es) Covered: Mercury Storage and Transport Program	
	A. PROCEDURE/POLICY REVIEW	
1) EXISTENCE, STRUCTUR PROGRAM	RE AND FORMAT OF EMERGENCY ACTION PLAN	Percentage Completion Score – Total 100% (Weighting of Elements is Defined Below)
Overall NDEP-CAPP Element Audin sections 2 through 5 below).	lit Checklist Score for Emergency Action Plan (as evaluated	06/26/2015 Part A: 100% 06/26/2015 Part B: NR 05/12/2015 Part A: 97% 05/12/2015 Part B: 100%

Notes/Comments Pertaining to Responses to Questions under Issue 1):

6/26/2015 Documents Reviewed:

- EMERGENCY OPERATIONS PLAN; SOC.EMS.EMP.0001; Annex C; EMERGENCY RESPONSE; May, 2015; 115 Pages
- EMERGENCY RESPONSE AND SPILL CLEANUP; 5/26/2015, Doc. No. 2014-MMTS-12; Rev. 2

5/15/2015 Documents Reviewed:

- HAWTHORNE ARMY DEPOT EMERGENCY OPERATIONS PLAN; SOC.EMS.EMP.0001; December, 2014; 57 Pages
- EMERGENCY OPERATIONS PLAN; SOC.EMS.EMP.0001; Annex C; EMERGENCY RESPONSE; December, 2014; 114 Pages
- EMERGENCY RESPONSE AND SPILL CLEANUP; 8/20/2014, Doc. No. 2014-MMTS-12
- PROCESS SAFETY INFORMATION FOR THE MOBILE MERCURY TRANSFER SYSTEM TO COMPLY WITH THE NDEP-CAPP; APRIL 2013; Rev. 0; 45 Pages plus 4 Attachments (A-D)
- Mercury Monitoring & Response; FES.IOP.FFO.0019; Rev. 8; 36 Pages; Approved 3/31/15
- 110-66A Building Evacuation Procedure; 2 Pages;

2)	2) EMERGENCY ACTION PLAN COMPONENTS		NAC Ref.	Resp. Code
Itei	m #2 Completion Score – Weighted 25% of Total		6/6 = 100°	/0
i.	i. Does the Emergency Action Plan provide procedures for reporting a fire or other emergency (such as manual pull box alarms, public address systems, radio or telephones) for:		459.9544(2a)	R
a.	Fires? 110-66A Building Evacuation Procedure	R	459.9544(2a)	
or S	b. Flammable Gas Release? Flammable gas is not applicable to the MMTS Storage facilities	NA	459.9544(2a)	



	Toxic Gas/Substance Release? <i>Toxic substance release reporting is defined to MMTS Response Plan</i> (EMERGENCY RESPONSE AND SPILL EANUP; 8/20/2014, Doc. No. 2014-MMTS-12).	R	459.9544(2a)	
	d. Medical Emergencies? <i>Medical Emergency reporting is described in the TS Response Plan</i> (EMERGENCY RESPONSE AND SPILL CLEANUP; /2014, Doc. No. 2014-MMTS-12).	R	459.9544(2a)	
	e. Other Emergencies?	Y	459.9544(2a)	
ii.	Does the Emergency Action Plan provide procedures for emergency evacuation, it type of evacuation and exit route assignments, for:	ncluding	459.9544(2a)	R
	a. Fires? 110-66A Building Evacuation Procedure	R	459.9544(2a)	
or S	b. Flammable Gas Release? Flammable gas is not applicable to the MMTS torage facilities,	NA	459.9544(2a)	
	c. Toxic Gas/Substance Release? 110-66A Building Evacuation Procedure	R	459.9544(2a)	
	d. Other Emergencies?	Y	459.9544(2a)	
iii.	Does the Emergency Action Plan provide procedures to be followed by employeer remain to operate critical plant operations for identified emergencies before they earlier the event of:		459.9544(2a)	NA
	a. Fires?	NA	459.9544(2a)	
	b. Flammable Gas Release?	NA	459.9544(2a)	
	c. Toxic Gas Release?	NA	459.9544(2a)	
	d. Other Emergencies	NA	459.9544(2a)	
iv.	Does the Emergency Action Plan provide procedures to account for all personnel emergency evacuation has been completed	after	459.9544(2a)	R
	a. Facility employees? 110-66A Building Evacuation Procedure	R	459.9544(2a)	
	b. Contractor employees? 110-66A Building Evacuation Procedure	R	459.9544(2a)	
	c. Visitors? 110-66A Building Evacuation Procedure	R	459.9544(2a)	



v.					
vi.	Does the Emergency Action Plan provide the names (or regular job ti departments who can be contacted for further information or explanat the plan? The building fire warden can be contacted for more information.	ion of duties	s under	459.9544(2a)	R
vii.	Employee Alarm System			459.9544(2a)	Y
	a. Does the EAP describe the types of employee alarms that trigge Emergency Action Plan, including:	r the	Р	459.9544(2a)	
	What activates the alarm (gas sensor, manual pull-box, smoke sensor UV/IR, etc)?	Y		459.9544(2a)	
	2. What the employee alarm indicators look or sound like?	Y		459.9544(2a)	
	3. The location of the alarm indicators?	Y		459.9544(2a)	
	4. Where do signals go (alarm indicator, off-site alarm company, emergency responder, other)?	Y		459.9544(2a)	
	5. Is the alarm system consistent with the Safety System Description?	Y		459.9544(2a)	
	b. Is the employee alarm system consistent with identified emerge	ncies?	Y	459.9544(2a)	
	1. Fires	Y		459.9544(2a)	
	2. Flammable Gas Release	NA		459.9544(2a)	
	3. Toxic Gas/Substance Release	Y		459.9544(2a)	
	4. Medical Emergencies	Y		459.9544(2a)	
	5. Other emergencies	Y		459.9544(2a)	
viii.	Training Requirements			459.9544(2a)	R
	a. Are employees designated and trained to assist in the safe and of emergency evacuation of employees? 110-66A Building Evacuation Procedure		R	459.9544(2a)	



II .	e plan reviewed with each employee at the following times: So ning program.	ee the	R	459.9544(2a)	
1.	When the plan is developed or the employee is assigned initially to a job?	R		459.9544(2a)	
2.	Whenever the employee's responsibilities or designated actions under the plan change?	R		459.9544(2a)	
3.	When the plan is changed?	R		459.9544(2a)	

Notes/Comments Pertaining to Responses to Questions under Issue 2):

3)	E	MPLOYEE ALARM SYSTEMS		NAC Ref.	Resp. Code
Iten	Item #3 Completion Score – Weighted 25% of Total 4/4 = 100%			%	
i.	Gen	neral Alarm Requirements		459.9544(2a)	Y
	a.	Does the employee alarm system appear to provide warning for necessary emergency action as called for in the emergency action plan, or for reaction time for safe escape of employees from the work-place or the immediate work area, or both?	Y	459.9544(2a)	
	ь.	Is the employee alarm capable of being perceived above ambient noise or light levels by all employees in the affected portions of the work place?	Y	459.9544(2a)	
	c.	Is the employee alarm distinctive and recognizable as a signal to evacuate the work area or to perform actions designated under the emergency action plan?	Y	459.9544(2a)	
	d.	Does the facility post emergency telephone numbers near telephones, or employee notice boards, and other conspicuous locations when telephones serve as a means of reporting emergencies?	Y	459.9544(2a)	
	e.	Where a communication system also serves as the employee alarm system, do all emergency messages have priority over all non-emergency messages?	NA	459.9544(2a)	
	f.	Have procedures been established for sounding emergency alarms in the workplace? For those facilities with 10 or fewer employees in a particular workplace, direct voice communication is an acceptable procedure for sounding the alarm provided all employees can hear the alarm. Such work-places need not have a back-up system.	Y	459.9544(2a)	
ii.	Ala	rm Installation and Restoration		459.9544(2a)	Y



	a.	Are all devices, components, combinations of devices or systems constructed and installed to comply with this standard are approved? Steam whistles, air horns, strobe lights or similar lighting devices, or tactile devices meeting the requirements of this section are considered to meet this requirement for approval.	Y	459.9544(2a)	
	b.	Are all employee alarm systems restored to normal operating condition as promptly as possible after each test or alarm?	Y	459.9544(2a)	
	c.	Are spare alarm devices and components subject to wear or destruction, available in sufficient quantities and locations for prompt restoration of the system?	Y	459.9544(2a)	T.
iii.	Alar	m System Maintenance and Testing		459.9544(2a)	Y
	a.	Are all employee alarm systems maintained in operating condition except when undergoing repairs or maintenance?	Y	459.9544(2a)	
	b.	Is a test of the reliability and adequacy of non-supervised employee alarm systems is made every two months? Is a different actuation device used in each test of a multi-actuation device system so that no individual device is used for two consecutive tests?	Y	459.9544(2a)	
	c.	Are power supplies maintained or replaced as often as is necessary to assure a fully operational condition? Are back-up means of alarm, such as employee runners or telephones, provided when systems are out of service?	Y	459.9544(2a)	
	d.	Is employee alarm circuitry installed after January 1, 1981 supervised, if it is capable of being supervised? Will it provide positive notification to assigned personnel whenever a deficiency exists in the system?	Y	459.9544(2a)	
	e.	Are all supervised employee alarm systems are tested at least annually for reliability and adequacy? See the MI program.	R	459.9544(2a)	
	f.	Is the servicing, maintenance and testing of employee alarms done by persons trained in the designed operation and functions necessary for reliable and safe operation of the system?	Y	459.9544(2a)	
iv.	Mar	ual Operation:		459.9544(2a)	Y
	a.	Are manually operated actuation devices for use in conjunction with employee alarms unobstructed, conspicuous and readily accessible?	Y	459.9544(2a)	
Not	es/Co	mments Pertaining to Responses to Questions under Issue 3):			
Not	es/Co	omments Pertaining to Responses to Questions under Issue 3):			



4)	EMERGENCY ACTION PLAN COORDINATION		NAC Ref.	Resp. Code
Item	#4 Completion Score – Weighted 25% of Total		3/3 = 100	%
i.	Is an appropriate mechanism in place to inform the emergency responders of a n response to each of the emergencies identified in the EAP?	eed for	459.9544(2b)	Y
ii.	Has the facility identified emergency responders?		459.9544(2c)	Y
	a. Fire Department	Y	459.9544(2c)	
	b. HAZMAT Responder	Y	459.9544(2c)	
	c. Emergency Medical Responder	Y	459.9544(2c)	
	d. Law Enforcement	Y	459.9544(2c)	
iii.	Have response actions for accident scenarios been coordinated with the fire department	ortment	459.9544(2c)	R
	a. Has the facility reviewed the written EAP and appropriate mechanisms for notifying responders with responders?	Y	459.9544(2c)	
	b. Has facility retained minutes of meetings with responders, recording topics discussed and requirements or recommendations of the responders? Emergency responder has signed the emergency response program procedure.	R	459.9544(2c)	
	c. Have the facility and responders determined a frequency for periodic update of information? <i>The Response Program defines annual drills</i> .	R	459.9544(2c)	

Notes/Comments Pertaining to Responses to Questions under Issue 4):



5)	MA	ANAGEMENT PLAN AND DOCUMENT CONTROL		NAC Ref.	Resp. Code
Item	#5 C	Completion Score – Weighted 5% of Total		2/2 = 100	a ∕⁄o
i.		here a site-specific plan that addresses how the EAP requirements will be developed including:	eloped	459.95341	R
	a.	Document the names of person(s) who are members of the team with overall responsibility for the development, implementation and integration of the Emergency Action Plan Program Requirements?	Y	459.95341	
	b.	Frequency of Emergency Action Plan review? See VOCA.	R	459.95341	
	c.	Events that prompt Emergency Action Plan reviews outside normal frequency? Critique of actual events, drills trigger review.	R	459.95341	
	d.	How is the Emergency Action Plan coordinated with the fire department and other responders? The emergency response plan is signed and controlled by the fire department; annual refresher training and drills are performed with the fire department.	R	459.95341	
	e.	How the adequacy of alarm indication and detector placement is evaluated? <i>Referenced in PSI</i> .	R	459.95341	
	f.	How the adequacy of the warning provided by the alarm is determined? Referenced in PSI.	R	459.95341	
	g.	How alarm system maintenance is determined? See MI program.	R	459.95341	
	h.	How Emergency Action Plan training is conducted and tracked? See training program.	R	459.95341	
ii.	do	there a site-specific policy or procedure that addresses how Emergency Action cumentation is controlled to ensure that the most current information is in circ is use?		459.95341	Y

Notes/Comments Pertaining to Responses to Questions under Issue 5):



6)	VERIFICATION OF EMERGENCY ACTION PLAN IMPLEMENTATION	NAC Ref.	Resp. Code
Iten	n #6 Completion Score – Weighted 20% of Total	Not Review	wed
i.	Is the plan available for employee review and use? Refer to Part B-1	459.9544(2a)	NR
ii.	Is there documented evidence that the required training is being conducted? <i>Refer to Part B-2</i>	459.9544(2a)	NR
iii.	Has NDEP-CAPP verified coordination between facility and emergency responders?	459.9544(2c)	NR
Gen	neral Records Audit/Review Notes/Comments:		

CLASS II GENERAL PERMIT AUTHORIZATION FOR

Facility ID No. AXXXX

Permit No. APXXXX-XXXXXX

Issued to:

Company Name Street Address City, ST ZIP

The Nevada Division of Environmental Protection, Bureau of Air Pollution Control (BAPC), on behalf of the Director of the Department of Conservation and Natural Resources of the State of Nevada, hereby authorizes the above-named company or individual to operate as a permittee under the Class II General Permit, reissued July 5, 2013, and effective May 7, 2012, through May 7, 2017. A copy of the current Class II general permit is attached under cover of this authorization and is also available for review at the BAPC website.

This authorization is granted in accordance with NAC 445B.3477 and is subject to the criteria and conditions of the Class II General Permit, including, but not limited to, the requirement to pay annual maintenance fees (\$500 / year) in accordance with NAC 445B.327(7)(c).

This authorization:

- Is not transferrable [NAC 445B.287(4)];
- Expires May 7, 2017, unless otherwise rescinded or revoked [NAC 445B.3473(1)]; and
- Conveys no direct approval to operate at any specific location. A separate change of location approval (COLA) must be obtained in accordance with Section III(S) of the Class II General Permit for each proposed location of operation.

The Director's decision to grant this authority is not subject to the requirements of NAC 445B.3457 and does not provide an opportunity for an administrative review or a judicial review of the Class II General Permit. NAC 445B.3477(9). However, any party aggrieved by the Department's decision to issue this authorization may appeal to the State Environmental Commission within ten days after the date of notice of the Department's action. NRS 445B.340.

Signature		Date:	Today's Date	
Issued by:	Ross Baker, PE Supervisor, Permitting Branch			

Nevada Division of Environmental Protection

Bureau of Air Pollution Control

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Issued by:	Ross Baker, PE				

Supervisor, Permitting Branch Bureau of Air Pollution Control

Nevada Division of Environmental Protection

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	Bureau of Air Pollution Control			

Nevada Division of Environmental Protection